

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

STRUCTURAL ENGINEERING ASSISTANT

DEFINITION:

Under general supervision, to check building plans of moderately complicated structures for compliance with building regulations for structural design adequacies; to advise the public on building code requirements; and to perform related work.

*** EXAMPLES OF DUTIES:**

- Examines and checks building plans and specifications to assure compliance with the Uniform Building Code and other State laws relating to structural adequacy, accessibility for the handicapped, proper ventilation, and location and number of emergency exits;
- Performs and checks calculations for vertical and horizontal loads for compliance with wind and earthquake regulations;
- Studies reports of soil analyses to aid in proper checking of foundation designs;
- Consults with engineers, architects, contractors, and the public regarding plan modifications, building regulations, and structural problems;
- Makes field inspections of building sites when unusual structural problems exist;
- Performs structural damage assessments and feasibility studies related to the effects of earthquakes on City facilities;
- Provides technical assistance and advice on building construction problems;
- Writes reports.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

College graduation with a Bachelor's degree in Structural, Civil or Architectural Engineering, **OR** certification as an Engineer-in-Training (E.I.T.), **OR** registration as a professional Structural or Civil Engineer with a State Licensing Board; **AND** two years of professional structural engineering experience in structural design or public agency structural plan checking. A Master's degree in Civil Engineering with emphasis in structures may be substituted for one year of the required experience. Possession of a valid ICBO (International Conference of Building Officials) certificate required within two years of date of hire. Possession of a valid California Class C Driver's License.

- * **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.